



TITLE OF INVENTION	TIE BLOCK RETAINER AND TIE BLOCK SLEEVE FOR RAILWAY TIES WITH INSERTED SLOTS
INVENTOR'S NAME	IAN H. ZACHA, P.E.
INVENTOR'S ADDRESS	2003 322 5533
APPLICATION NO.	602 632 35

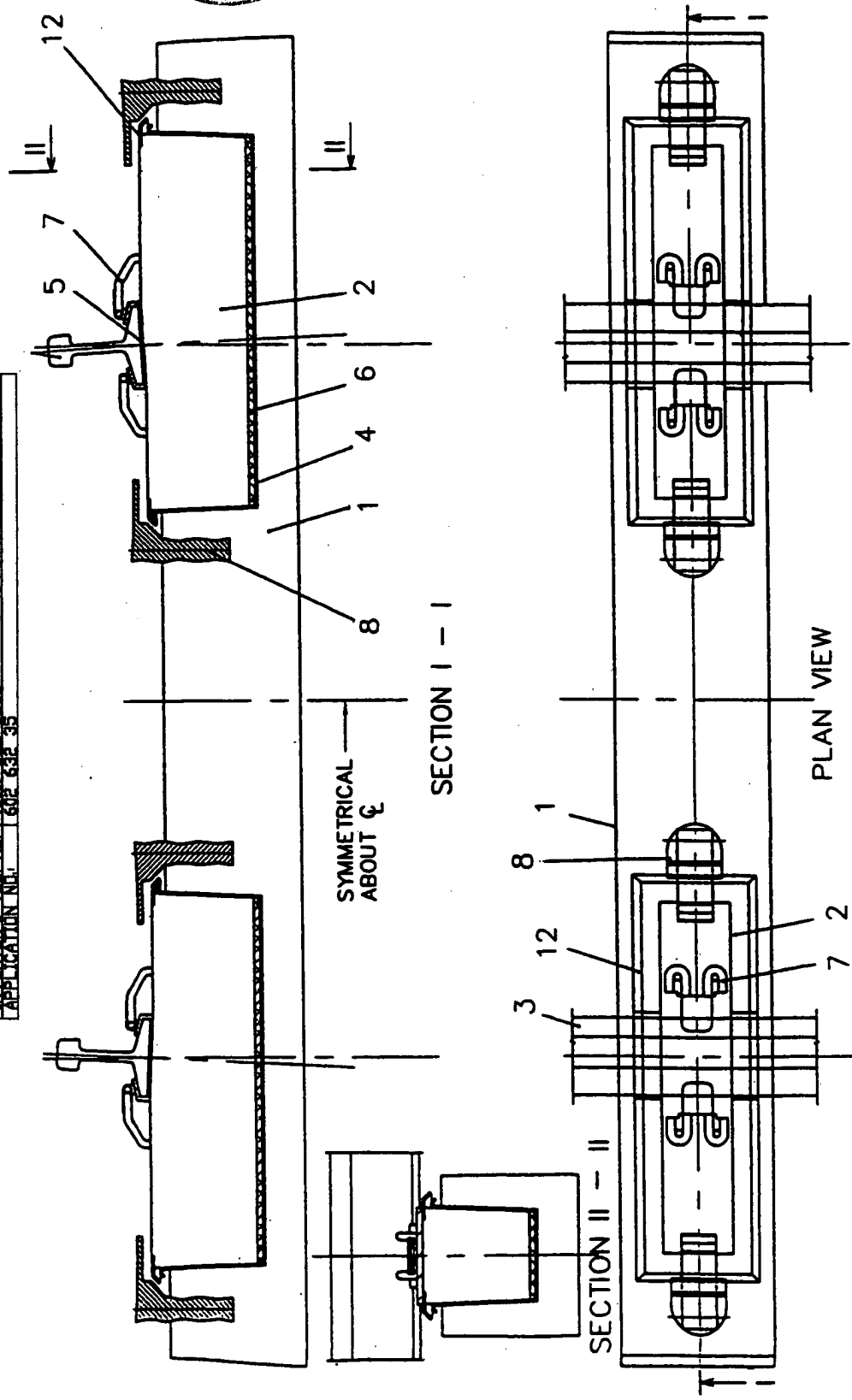


Fig. 1

TITLE OF INVENTION	115 BLOCK BEYONER AND 116 BLOCK SLEEVE FOR RAILWAY TIES WITH INSERTED BLOCKS
INVENTOR'S NAME	JAN H. ZICH, JR., P.E.
INVENTOR'S TEL. NO.	(303) 322-5233
APPLICATION NO.	602,632-35

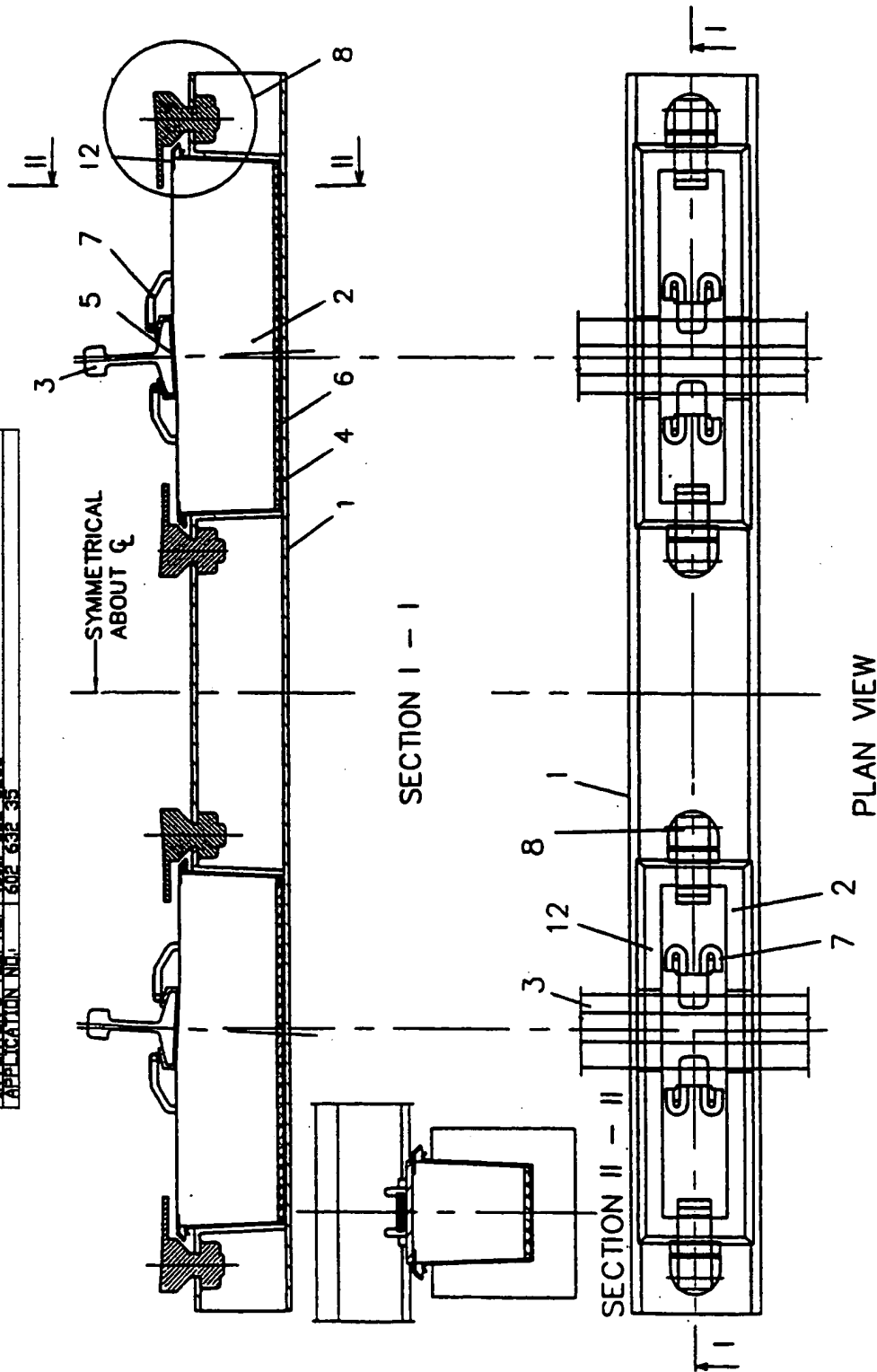
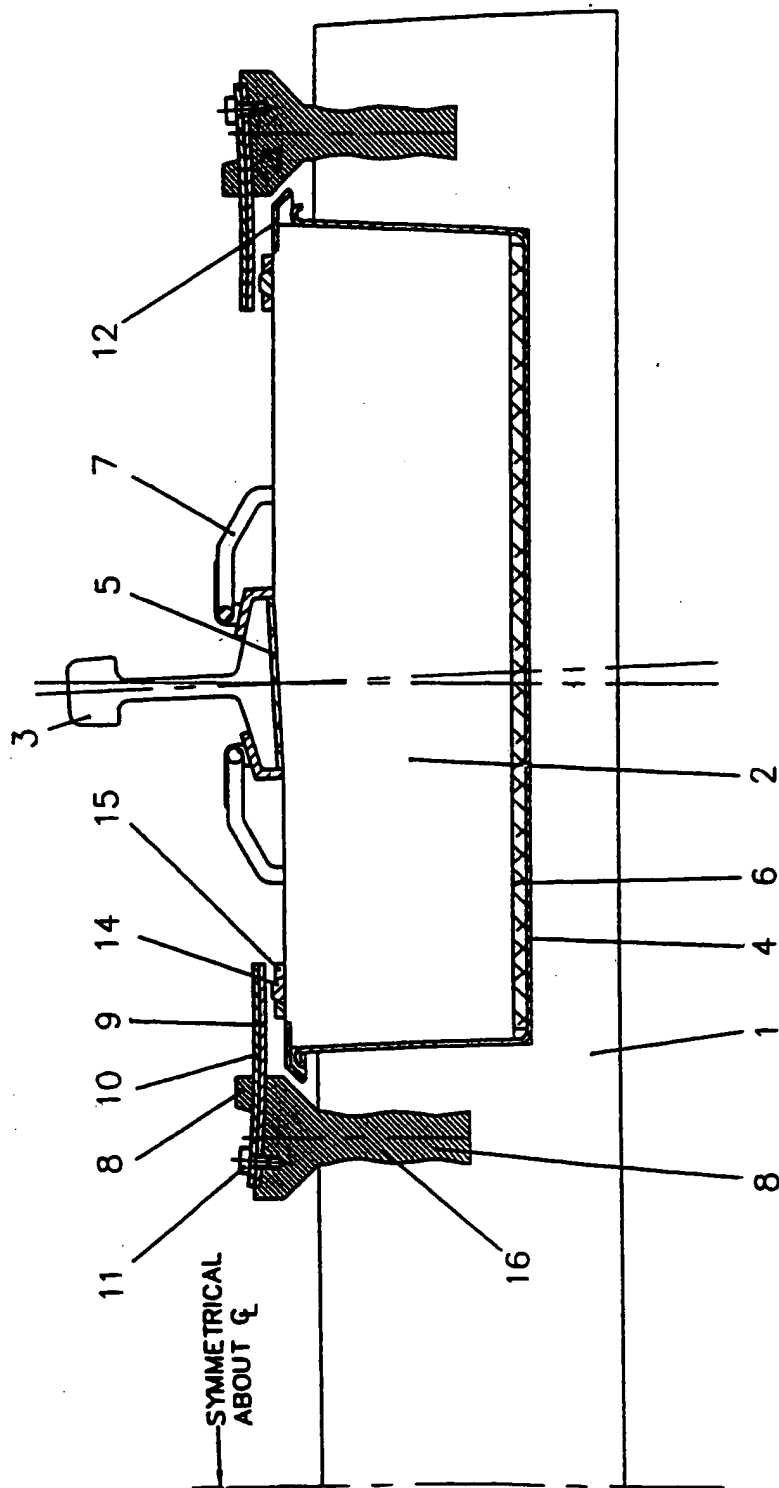


Fig. 2

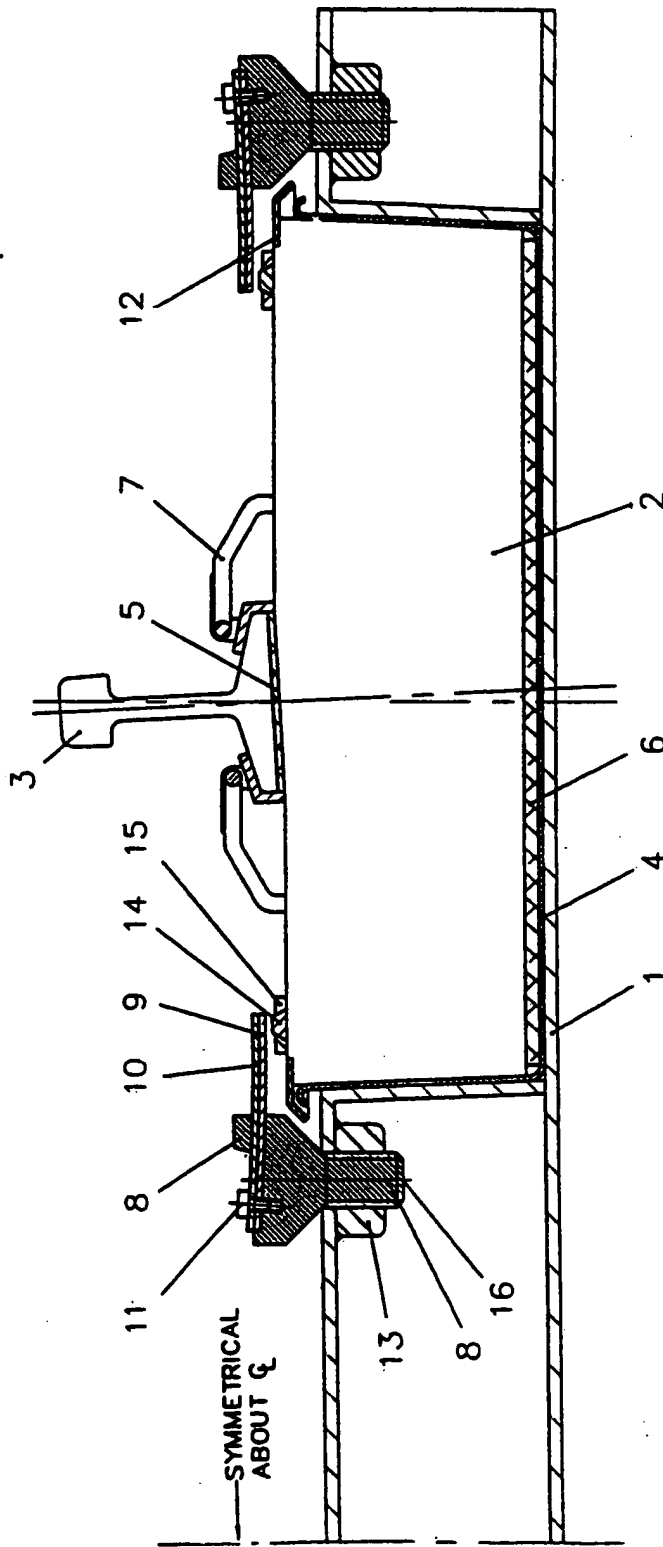
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DETAIL OF SECTION I - I SHOWING BLOCK RETAINER OF F i g. 1

F i g. 3

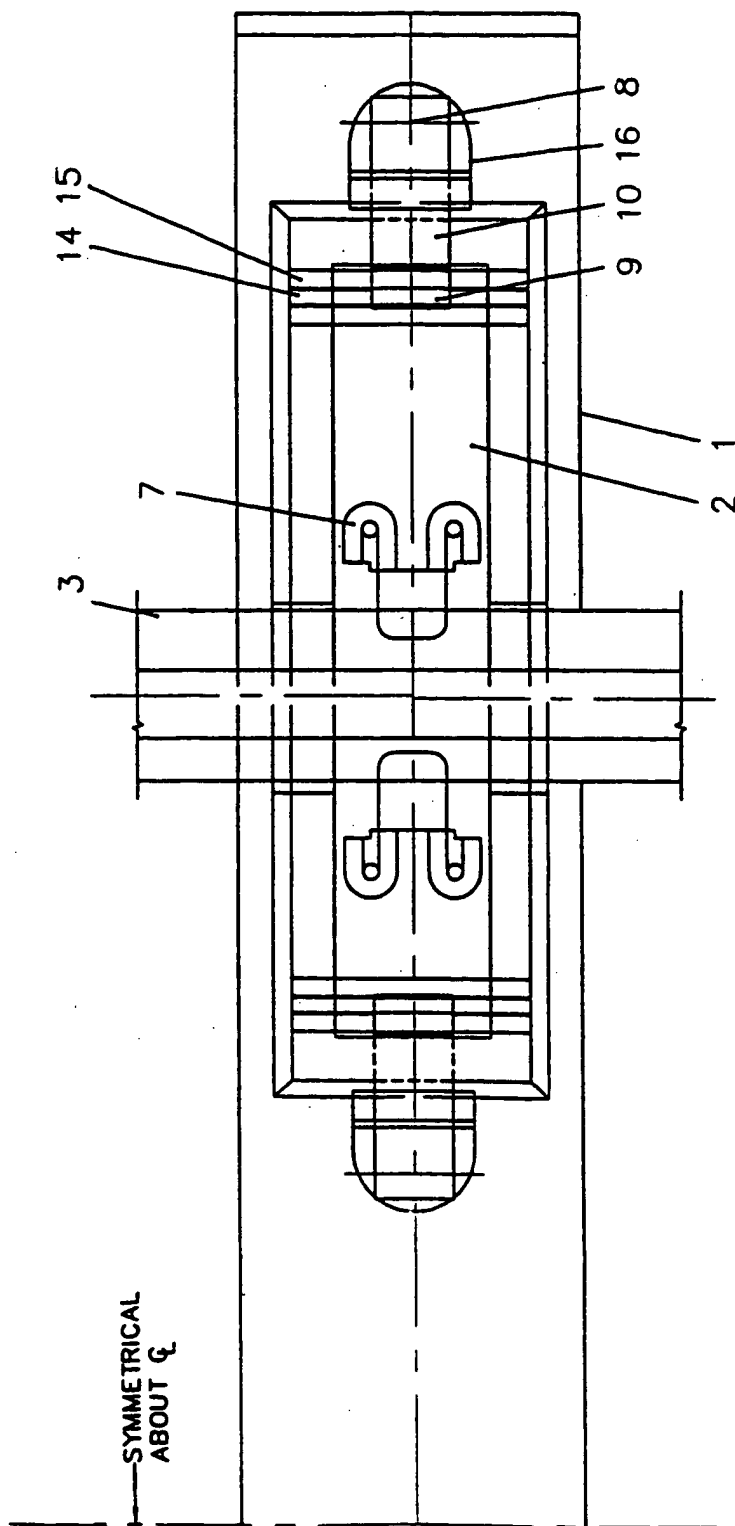
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DETAIL OF SECTION I - I SHOWING BLOCK RETAINER OF F i g. 2

F i g. 4

TITLE OF INVENTION	115 BLOCK RETAINER AND TIE BLOCK SLEEVE FOR RAILWAY TIES WITH INSERTED BLOCKS
INVENTOR'S NAME	JAN H. ZICH, P.E.
INVENTOR'S TEL. NO.	(301) 322-5233
APPLICATION NO.	602,632-35



PLAN VIEW RELEVANT TO BLOCK RETAINERS OF Fig. 1 AND Fig. 2

Fig. 5